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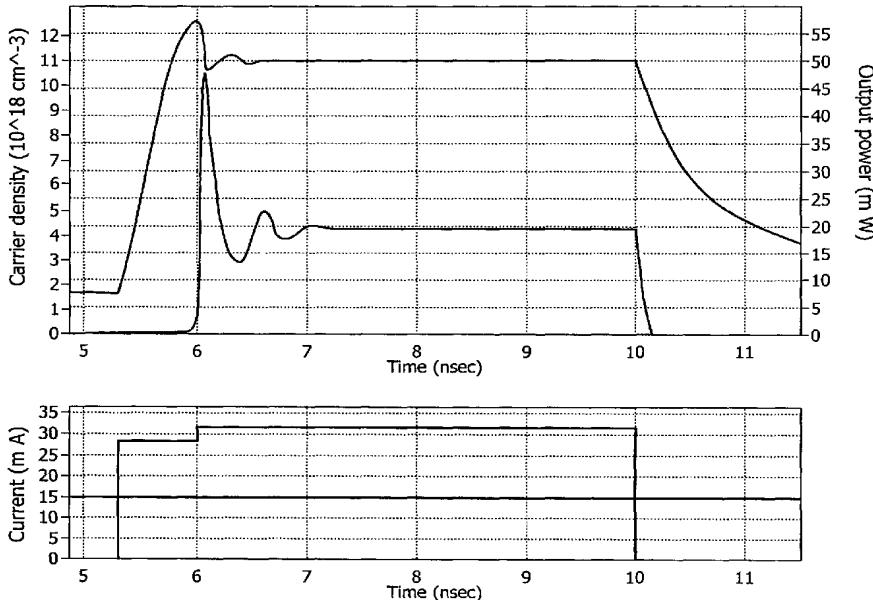
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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SCHLEIPEN, Johannes, J., H., B.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **VLUTTERS, Ruud** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: **UITTENBOGAARD, Frank**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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(54) Title: A METHOD OF CONTROLLING A DIODE DEVICE FOR USE IN OPTICAL STORAGE SYSTEMS



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(57) Abstract: A system and method is provided which compensates for the effects of relaxation oscillations and turn-on delays of diode laser devices. In particular, there is provided a method and system for tuning the shape of the power profile of an output optical signal and its position with respect to a channel bit clock of an optical recording system.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 405 610 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 2 January 1991 (1991-01-02) page 5, line 33 – page 15, line 23; figures -----	1-18
X	US 5 444 728 A (THOMPSON ET AL) 22 August 1995 (1995-08-22)	1-3, 5-8, 10-14, 16-18
A	column 6, line 26 – column 7, line 16; figures -----	3, 9, 15
X	US 2001/043534 A1 (GYO SEO JIN) 22 November 2001 (2001-11-22) paragraph '0046! – paragraph '0074!; figures ----- -/-	1, 3-7, 9-13, 15-18

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Patent family members are listed in annex.

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Geoghegan, C

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 509 156 A (OHARA ET AL) 2 April 1985 (1985-04-02) column 2, line 52 - line 64 column 3, line 29 - column 6, line 2; figures -----	1,3-7, 9-13, 15-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

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